



MODEL FT1 FLOW METER FEATURES

1. Direct Mass Measurement

The Fox Model FT1 measures the mass flow of gases directly in Standard Cubic Feet per Minute (SCFM), Normal Cubic Meters per Hour (NM3H), Kilograms per Hour (Kg/Hr), and other mass units without the need for pressure or temperature compensation. One isolated 4 to 20mA output programmable for flow or temperature is standard; HART communication optional. A second output is selectable for pulse or communication protocol options.

2. Outstanding Low Flow Capability, Wide Turn-Down Ratio

The Fox flowmeter is capable of providing precise measurement of extremely low velocity gas flows. This results in a wide measurement range and a turn down ratio up to 1000:1; 100:1 typical.

3. Probe and Retractor Sizes

The insertion flow meters are easy to install and can be installed in pipe diameters of 1 1/2" to 70". Probe (I) and Retractor (R) sizes are: 6" (06I), 9" (09I), 12" (12I), 15" (15I/15R), 18" (18I/18R), 24" (24I/24R), 30" (30I/30R), and 36" (36I/36R).

4. Pressure Ratings

The FT1 insertion meter is rated to 300 psig (20.7 barg) and the FT1 with a retractor is rated to 150 psig (10.3 barg).

5. DDC-Sensor™

The DDC-Sensor™ is standard on all Model FT1 flowmeters. Instead of using traditional analog circuitry, the DDC-Sensor™ is interfaced directly to the FT1 microprocessor for more speed and programmability.

6. Gas-SelectX®

The Model FT1 has many common gas calibrations pre-programmed into the meter so that the user can select a gas from a list to fit the application. Current gas selections include: methane, carbon dioxide, nitrogen, air, natural gas, argon, propane, helium, oxygen, butane, hydrogen, and gas mixes (mix concentration of any 3 gases in this list is programmable by user).

7. Field-Programmable

The Display and Configuration Panel displays flow rate, flow total, elapsed time (hours since the totalizer was reset), process temperature and alarms. Field configurable variables include flow and temperature engineering units, 4 to 20mA scaling for flow and temperature, standard temperature and pressure (STP), pulse output scaling, zero flow cut off, alarm settings (high flow, low flow, high temp, and low temp), filter setting, and many others.

8. Digital Communications / FT1 View™

Bus options are RS485 Modbus RTU, BACnet MS/TP, and HART. The FT1 uses a standard USB port to connect to a PC. Fox's free FT1 View™ software provides complete configuration and remote process monitoring functions.

9. NIST Traceable Calibration

The Fox Calibration laboratory uses NIST traceable flow standards to ensure the highest level of accuracy. A calibration certificate is supplied with every meter.

10. Discrete Output

The discrete output can be set to provide a signal when alarms are generated.

11. Enclosure and Area Rating

NEMA 4X enclosure approved for FM and FMc Class I, Division 1; ATEX/IECEx Zone 1 approved. CE mark.

12. Input Power

Input Power: 12 to 28VDC, 20 watts max. Full Input Power Range: 10 to 30VDC, 20 watts max.

Some of the features listed are optional features